

## **Results for the 8'x160' circular tank with ramp:**

### **Circular tank:**

Tank Diameter = 160 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 8 ft

$f_y = 60,000$  psi

$f'_c = 4,000$  psi

Horizontal Steel = #4 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	10	2' 1"
4	10	2' 11"
5	8	3' 7"
6	8	4' 3"
7	6	4' 9"
8	6	5' 3"
9	6	5' 9"
10	6	6' 3"
11	6	6' 9"
12	6	7' 3"
13	6	7' 9"

Vertical Steel = #4 @ 12" O.C.


Dowels "L" bars from tank to footing shall be #4 @ 12" O.C. 26" vertical leg, 8" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 9'-10" long @ 4" O.C. vertically.

3-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6' long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	____ County, PA <b>ROUND TANK W/RAMP</b> <b>DETAIL Page 6.07</b>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____